

GAL'TGOV, D.V.; ZHUKGYSK!Y, Y.Ch.

Use of the Wentzel-Kramers-Brillouin method in calculations with an accuracy to high degrees of h. Vest. No.k. un. Ser.3:
Flz., actron. 19 no.5:50-53 S-0 'ch. (NINA 17:12)

1. Kafedra teoreticheskoy fiziki Meskovskogo universiteta.

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L 48125-65 EMT(m)/EWA(m)-2 Peb ACCESSION NR: AP5011220

UR/0367/65/001/003/0507/0510

AUTHOR: Sokolov, A. A.; Ivanov, Yu. P.; Gal'tsov, D. V.

TITLE: Effect of spins on the <u>annihilation</u> and production of electron-positron pairs in weak interactions

SCURCE: Yadernaya fizika, v. 1, no. 3, 1965, 507-510

TOPIC TAGS: pair production, weak interaction regime, positron, electron spin, annihilation reaction

ABSTRACT: The effect of electron and positron spin orientations on their annihilation due to weak interaction is studied. The theory of the four component neutrino is used to study the reactions  $e^- + e^- + v + \overline{v}$ . The Hamiltonian for the  $e + e^- + v + \overline{v}$  process in the case of the V-A interaction is given, and the total effective cross section is found for the case of solely longitudinal polarization of the pair  $e^-$ . From this it follows that for any energies either electron-neutrino or muon-neutrino pairs may form. It is found that the total effective cross section of  $e^-$  annihilation with opposite helicity is twice as large as for particles with

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그리고 가는 사람들이 많은 사용하는 사람이 모든 것이다.	000 Gev the cross sections for a	muihilation in the	
reak interaction description	and in the electromagnetic are a	pproximately the same.	
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	$\frac{E^2}{m_0 r_0^3 c^4 h^4}  \text{where}  r_0 = \frac{c^2}{m_0 c^3}  .$		
Also studied is the polarizat	ion property of the electrons ar	d positrons produced	
in the reaction: $v + \overline{v} \rightarrow e^- +$	et. A cross section is derived	Tricali de silowii cila	
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in the reaction: $v + v \rightarrow e^- + e^-$ the case in question leads to momenta. In the case conside also be parallel.	et. A cross section is derived to parallel spins for the electron red, the spins of the neutrino and arstvennyy universitet (Moscow ENCL: 00	s, with antiparallel and antineutrino will	

GAL'TSOV, N.

Encouraging results. Okhr.truda i sots.strakh. no.1:84-85
Ja '59.

1. Predsedatel' Udmurtskogo oblsovprofa, g.Izhevsk.
(Udmurt A.S.S.R.--Industrial hygiene)

等等。但一位是一个人,但是我们的是一个人,我们就是一个人,我们是一个人,我们是一个人,我们的一个人,我们就是一个人,我们是一个人,我们就是一个人,我们就是一个人, 第一章 ACCESSION NR: AT4041484 \$/2535/64/000/157/0091/0096 AUTHOR: Gal'tsev, O. D. (Candidate of technical sciences) TITLE: The distribution of discharge rates between the stages of a centrifugal injection nozzle of a gas turbine engine SOURCE: Moscow. Aviatsionny\*y institut. Trudy\*, no. 157, 1964. Issledovaniya rabochego protsessa v kamerakh sgoraniya gazoturbinny\*kh dvigateley (Studying the working processes of gas turbine engine combustion chambers), 91-96 TOPIC TAGS: gas turbine, swirlatomizer, aviation turbine, jet aircraft, fuel injection nozzle, injection nozzle, combustion chamber, two stage injection nozzle, fuel injection ABSTRACT: An analysis has been made of the discharge characteristics of a two-stage aviation-turbine swirlstomizer consisting of two concentric nozzles equipped with tangential flow channels for imparting a swirling motion. The discharge characteristics are discussed in terms of the parameter

ACCESSION NR: AT4041484

where p<sub>T1</sub> is the injection pressure when the first stage is used and p<sub>T2</sub>, when both the first and second stages are used for injecting the same amount of fuel. Formulas for the maximum and minimum fuel injection rates were derived. It is shown that the minimum fuel injection rate for easy starting should be 10% of the maximum rate, in which case e<sub>T</sub> should amount to 7.2 (at minimum and maximum injection pressures of 5 and 70 atm, respectively). At e<sub>T</sub> = 10, the maximum injection pressure can be lowered to 35 atm. The value of e<sub>T</sub> should increase as the service ceiling of the engine increases. Nozzles with e<sub>T</sub> ranging from 7 to 50 may be used. A further increase in e<sub>T</sub> is limited by design considerations and by the fact that at high e<sub>T</sub>, the atomization deteriorates at the onset of operation of the second stage and fuel injection during transient regimes becomes less uniform. When e<sub>T</sub> is appropriately selected, good atomization under all operating regimes is achieved, reliability increases, and the maximum injection pressure may be lowered. Orig. art. has:

ASSOCIATION: Moskovskiy aviatsionny y institut (Moscow Aviation Institute)

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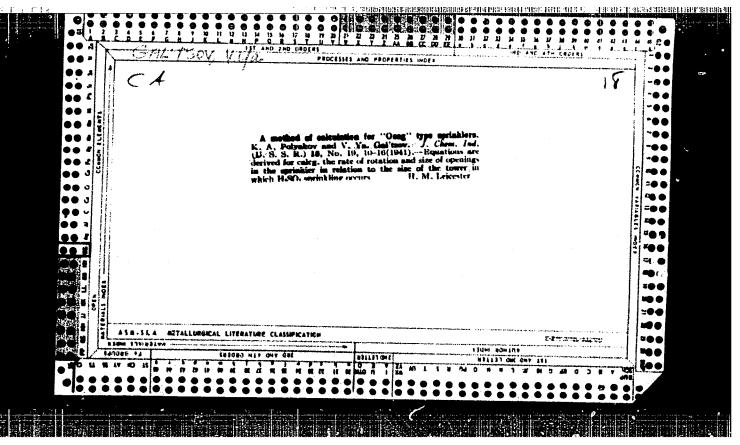
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S/064/61/000/012/001/002 B103/B110

AUTHORS:

Margulis, M. ..., Gal'tsov, V. Ya, Candidate of Technical

Sciences

Intensification of some stages of polyolefin production TITLE:

Khimicheskaya promyshlennost', no. 12, 1961, 15 - 17 PERIODICAL:

TEXT: A description is given of: (a) the ultrasonic crushing of stereospecific Al(C2H5)3/TiCl3 catalysts dissolved in saturated hydrocarbons (Fig. 1); (b) extraction of the catalysts from the polymer with the same apparatus but without partition wall; and (c) a press for pressing off the polymer (Fig. 4). The catalyst was extracted from polypropylene by means of oscillations of 21.3 kc/sec at 30°C or of 1 Mc/sec and an intensity of 5 w/cm2 at 40°C. Extraction was found to be accelerated as the sound intensity increased. 30 - 45 min is sufficient for purification. A residual content of solvent (heptane-alcohol mixture) of 15% and less in the polymer can be reached with a screw-press. Application of ultrasonics

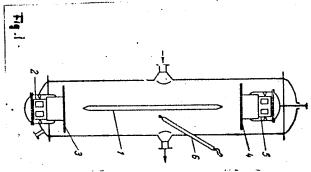
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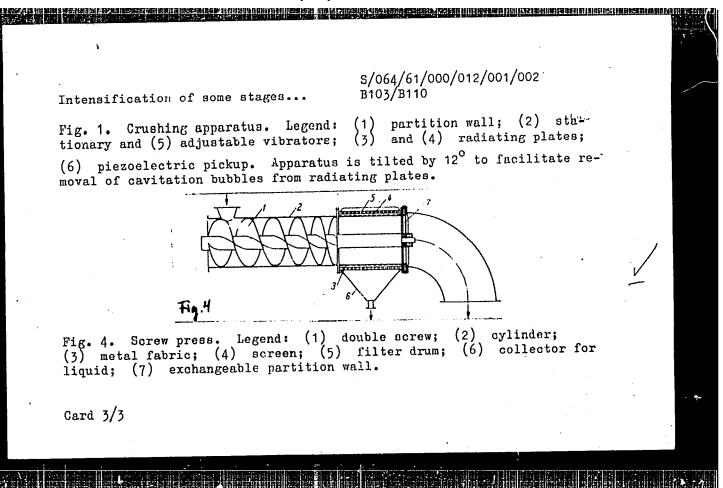
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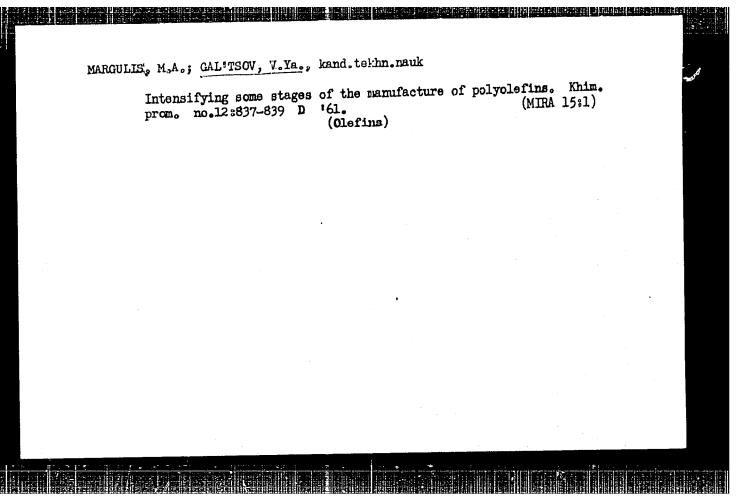
Intensification of some stages...

for continuous rinsing of the polymer, and pressing off to a 15% moisture content reduces the ash content in the polymer to 0.042 during a single rinsing (modulus of dissolution = 6). An alcohol addition of 5% of the total reaction mass is sufficient. Drying may be reduced to 0.18 through low moisture of the polymer. Polymers with an ash content of 0.1% can be produced by this method. K. S. Minker and E. G. Ruter are mentioned. There are 4 figures and 5 references: 4 Soviet and 1 nca-Soviet.



Card 2/3 .



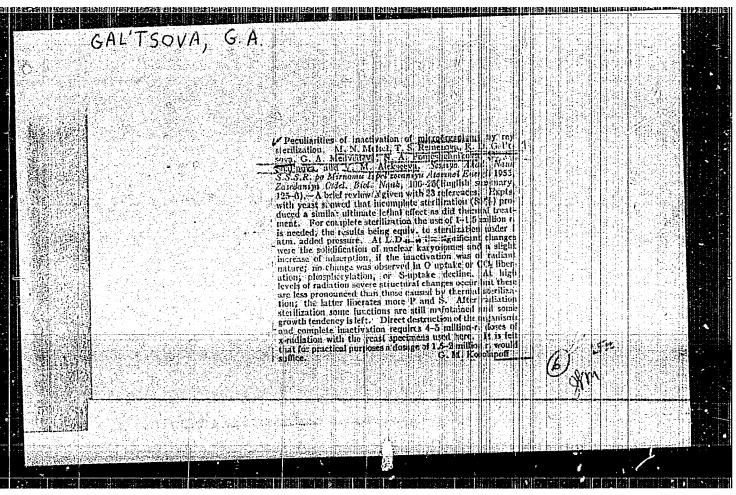


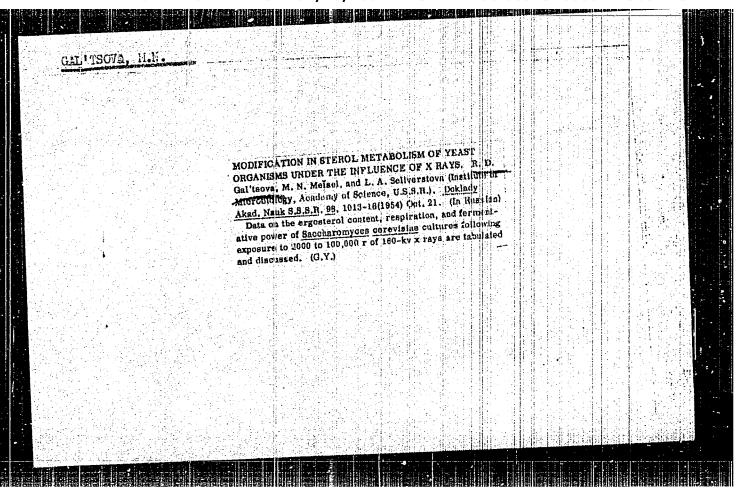
GALITSOVA, A. P.

"Study of Laws Covering the World Distribution of Precipitation in Connection with the Genetic Classification of Climates."

report to be submitted for the Intl. Geographical Union, 10th General Assembly and 19th Intl. Geographical Congress, Stockholm, Sweden, 6-13 August 1960.

"APPROVED FOR RELEASE: 07/16/2001 CIA-RDP86-00513R000614130012-3





# GAL TSOVA, N.YE

USSR/Chemical Technology - Chemical Products and Their

I-13

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Application Treatment of Natural Gases and Petroleum.

Motor Fuels. Lubricants.

Abs Jour

: Referat Zhur - Khimiya, No 4, 1957, 12975

Author

: Fuks G.I., Gal'tsova N.Ye. Uss I.I.

Title

: Low-Viscosity Watch Oils

Orig Pab

Chasovyye mekhanizmy, Sb. 1, M., Mashgiz, 1955, 165-185

Abstract

Preparation of low-viscosity oils for clockwork mechanisms, from oils of medium viscosity, can be effected by three methods: dilution with low viscosity synthetic components, removal of viscous components of fat by freezing or by adsorption separation (decrease in viscosity of bone oil, that is attained thereby does not exceed 16%), chemical treatment of the oil involving ester

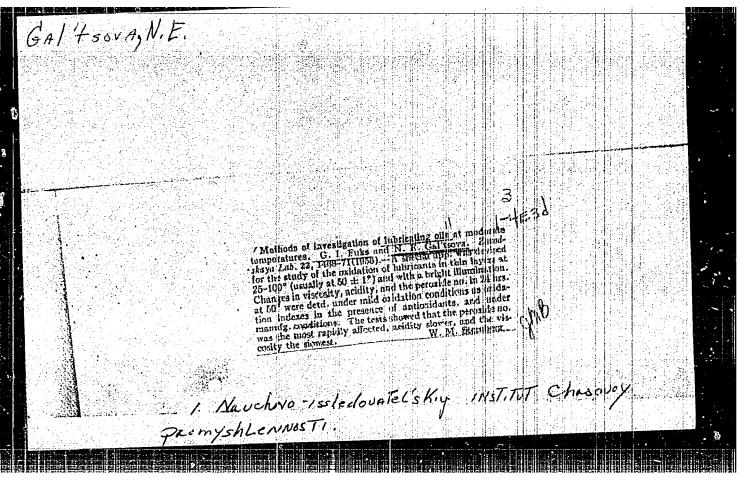
interchange of fatty acid glycerides.

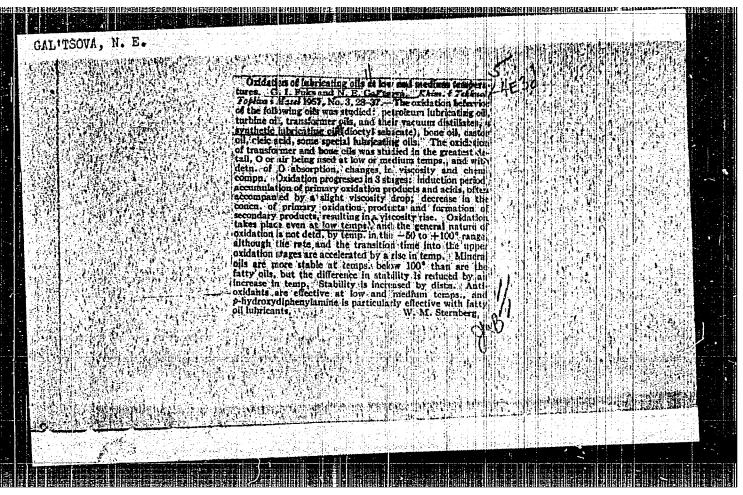
Bibliography, 28 references.

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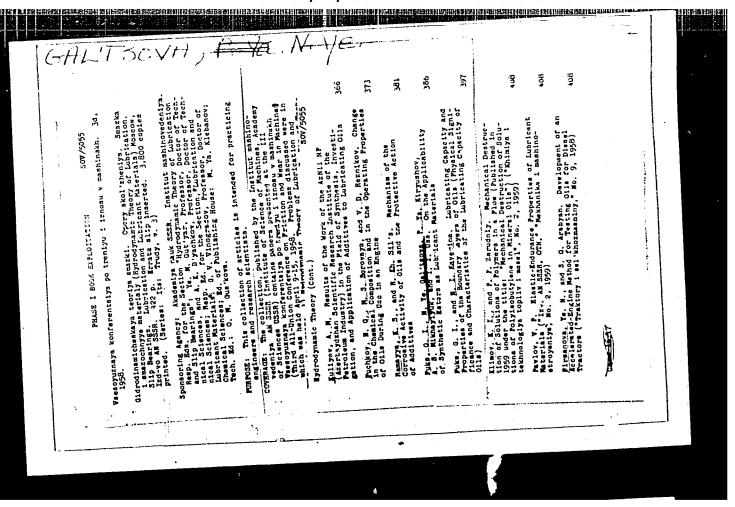
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S/119/61/000/005/002/002 D203/D306

AUTHOR:

Gal'tsova, N.Ye.

TITLE:

Tropical clock and instrument oils

PERIODICAL: Priborostroyeniye, no. 5, 1961, 27

TEXT: Tropical grade oils were developed in the Institute NIIChasprom satisfying the conditions of resistance to humidity, higher ambiant temperature and microorganisms. The latter condition was incorporated as a result of experiments carried out on this probinem. 13 kinds of typical fungi and bacteria were cultured in the lem. 13 kinds of typical fungi and bacteria were cultured in the lemestated, and kept for 21 days at a thermostatically regulated oils tested, and kept for 21 days at a thermostatically regulated oils tested, and kept for 21 days at a thermostatically regulated oils tested, and kept for 21 days at a thermostatically regulated oils tested, and kept for 21 days at a thermostatically regulated oils tested, and kept for 21 days at a thermostatically regulated oils tested, and kept for 21 days at a thermostatically regulated oils tested, and kept for 21 days at a thermostatically regulated oils tested, and kept for 21 days at a thermostatically regulated oils tested, and kept for 21 days at a thermostatically regulated oils tested, and kept for 21 days at a thermostatically regulated oils tested, and kept for 21 days at a thermostatically regulated oils tested, and kept for 21 days at a thermostatically regulated oils tested, and kept for 21 days at a thermostatically regulated oils tested, and kept for 21 days at a thermostatically regulated oils tested, and kept for 21 days at a thermostatically regulated oils tested, and kept for 21 days at a thermostatically regulated oils of the control of t

Tropical clock and instrument oils

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were used as a basis for the tropical oils which had the effect of improving lubricating, vaporization and fluid leakage qualities.

Table. Physico-Chemical Properties of the Tropical Oils and Those of a Sample Oil MBP-12.

Legend: 1 - Grade of oil; 2 - adherence in ccm 3 - at 20°; 4 - at 50°; 5 - change of properties of the oils with acidation according to GOST 7934-56; 6 - the index of acidity in mg KOH/g; 7 - before acidation; 8 - after acidation; 9 - the index of peroxide in % a of the iodide; 10 - before acidation; 11 - after acidation; Физико-химические свойства тропических мясел и эталонного масла МБП-12

		Визкость		Взменение свойств масел при опислении по ГОСТУ 7914-56					<b>x</b>	Ty (£)	yeroli.
	① Mapka			Кислотное В число, в ме КОП/г		Перекисное уисло и % (у) пода		<b>ВВЗКОСТИ</b>	no roct	no rocty	HECKBR
	масла	0	<b>(</b> 0.	ОКИСЛЕНИВ	D. OKHC.	(5) Окисления	OKHC.	SPACTABINE BES	B %	CHOCTS B %	podwonorn erb na 21
		При 20	При 50•	До оки	Hocae	HNO OL	После	Hapacr	Pacrek:	Henst. 79:1:87	Микро чивост
•		77,11 70,61	24,58 24,71 23,07 21,09	0,17	0,26 0,26 0,17 0,17	0.13	0,19 0,17 0,23 0,08	0,00	0.26	$0.08 \\ 0.03$	100
5	MIT-25				0,20	0,09	0,08	0,00	0,27	0,11	100

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Tropical clock and instrument oils

12 - the increase of adherence %; 13 - fluid property according to GOST 7934-56 in %; 14 - evaporation according to GOST 7934-56 in %; 15 - microbiological resistance during 21 days in %; 16 - MChT -3; 17 - MChT-20; 18 - MChT-30; 19 - MBP-12; 20 - MPT-25.

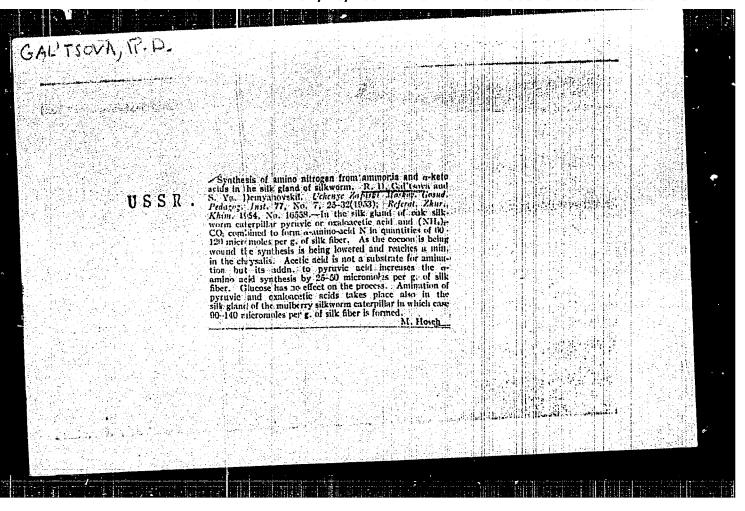
Oils of the grade MChT-3, MChT-20, MChT-30, MPT-25 are now standard oils for clocks and instruments in tropical conditions. Oils of the grade MChT-3, MChT-20 and MChT-30 are used for the lubrication of relays and similar apparatus. There is 1 table.

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Card 3/3

SOURCE: Izobreteniya, pr	Class 23, No. 184996 comyshlennyye obraztsy, tovarnyoil, silicone lubricant, antiox tificate has been issued for a d to include 40—60% polyethyl 1% p-hydroxydiphenylamine or i	idant additive , LUBRIC.  In instrument oil based on	13 ATING a soamy1
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	Charles F. C.		

"APPROVED FOR RELEASE: 07/16/2001 CIA-RDP86-00513R000614130012-3



USSR/Biology - Biochomistry

Gard 1/1: Pub. 22 - 35/44

Authors: Gal'tsova, R. D.; Meysel', M. N.; and Seliverstova, L. A.

Title: Change in sterol metabolism of yeast organisms under effect of x-rays

Periodical: Dok. AN SSSR 98/6, 1013-1016, October 21, 1954

Abstract: The change in sterol metabolism under the effect of x-rays was investigated on a pure culture of yeast organisms Saccharomyces cerevisiae and the results obtained are tabulated. Three USSR references (1938-1945).

Tables.

Institution: Academy of Sciences USSR, Institute of Microbiology

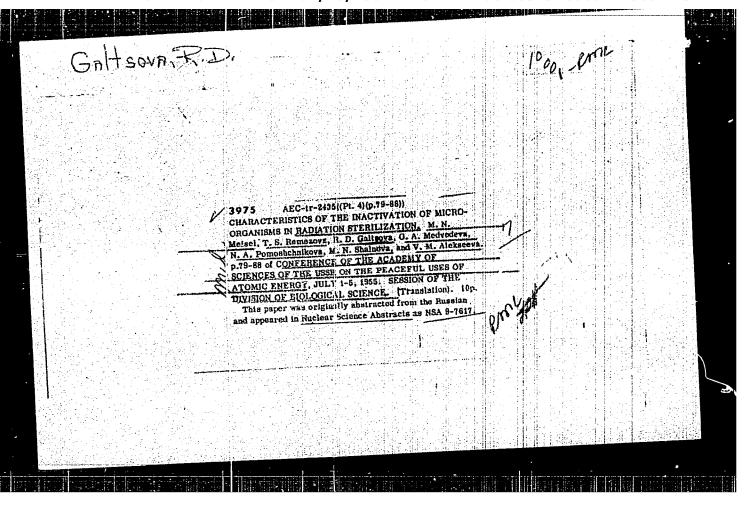
Presented by: Academician 7. A. Engeligardt, July 17, 1954

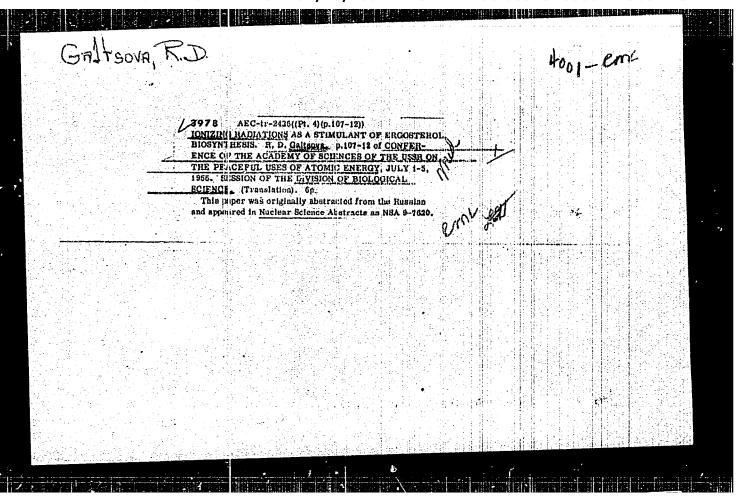
"Effect of Vitamins on Biosynthetic Processes in Microorganisms, edited by A. A. Imshenetskiy, Corresponding Member, Academy of Medical Sciences USSr, Moscow, Publishing House of the Academy of Sciences USSR, 1955, 239 pp

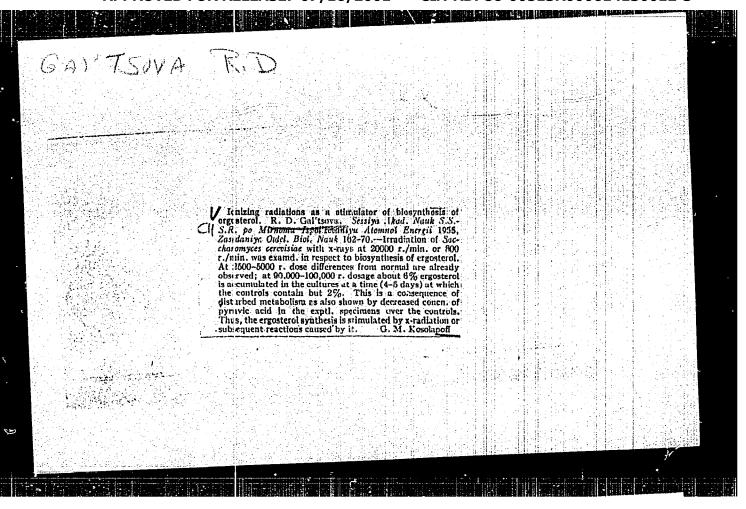
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GAL'TSOVA, R.D.

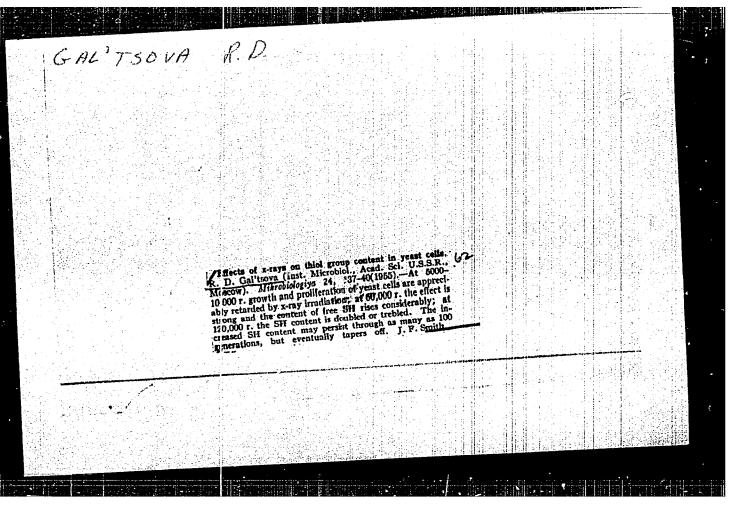
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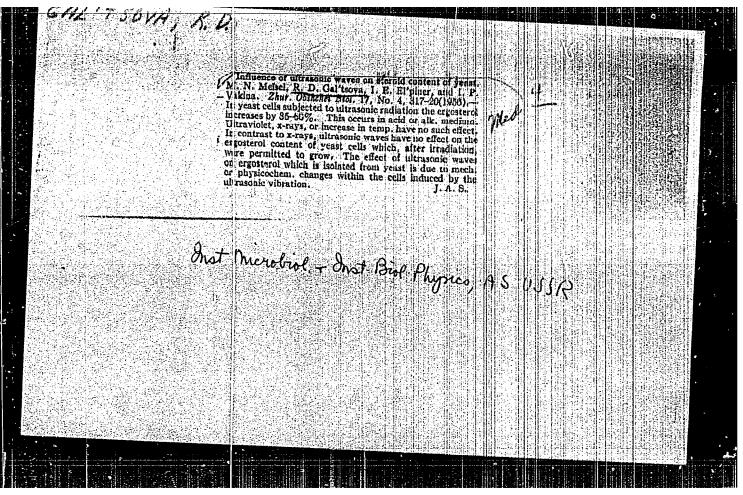






"APPROVED FOR RELEASE: 07/16/2001 CIA-RDP86-00513R000614130012-3





GALABOVA, R. D., POLOSIMIKOVA, N. A.

"Radio-active isotopes in the study of synthesis processes," a paper submitted at the International Conference on Radioisotopes in Scientific Research, Paris, 9-20 Sep 57.

MEYSEL, M. H., GALTSOWA, R. D., MEDVEDEWA, G. A., PCMOSHREKOVA, M. A., SELIVERSTOVA, L. A. and SHALHOVA, M. N.

"Action of Ionzing Radiations and Radiomimetic Substances on Microbe Cell." paper to be presented at 2nd UN Intl.' Conf. on the peaceful uses of Atomic Energy, Geneva, 1 - 13, Sept 58.

AUTHOR:

Gal'tsova, R. D., Meysel', M. N.

20-1-21/58

TITLE:

The Effect of Ionizing Radiation Upon Amination, Desamination and Transamination Processes (Deystviye ioniziruyushchikh izlucheniy na protsessy aminirovaniya, dezaminirovaniya i

pereaminirovaniya)

PERIODICAL:

Doklady AN SSSR, 1958, Vol. 118, Nr 1, pp. 75-77 (USSR)

ABSTRACT:

The authors made a special investigation of the processes of the amination of ketonic acids as well as of the desamination and transamination of amino-acids with the yeast cells, of the Saccharomyces cerevisiae after their

irradiation with x-ray dosages of from 30 to 100 kiloroentgen.

The yeast was investigated either immediately after

irradiation or after from 24 to 48 hours growth. The amination of  $\alpha$  ketonic acids was investigated by means of the method of M. Neber (ref. 6). The transamination of amino acids was investigated by means of the method of Braunshteyn and

Kritsman (ref. 7). The experiments of the authors showed the following: immediately after the irradiation of yeast with a dosage of 60 kiloroentgen the transamination of amino-

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acids is only little disturbed. Only after 16-hours growth

The Effect of Ionizing Radiation Upon A Ination, Desamination and Transamination Proces' 28

20-1-21/58

it decreases by 20% and after 48 hours by 70-80%. With strong dosages of irradiation (100 kiloroentgen and more) the intensity of the transamination processes of amino-acids also reduces immediately after irradiation by about 50%. The desamination of amino-acids in the test samples as well as in the irradiated yeast samples were determined by means of the method of Neber (ref. 6). The desamination with irradiated cells immediately after irradiation differs only little or not at all from the reactions of the test samples. But with a further growth of the irradiated cells the desamination increases already after 16 hours (compared with the desamination in not-irradiated samples) 2-3fold and after 48 hours even more. Of the processes investigated here the amination of ketonic acids is most sensitive against irradiation. The changes in the carbon exchange of the irradiated yeast cells and its partial shift to the synthesis of fats and lipoides correlates well as regards time and quantity with the suppression of the amination process and less well with the suppression of transamination. The irradiation, in some respect, leads to the same consequences as does a lack of nitrogen in organism.

Card 2/3

The Effect of Ionizing Radiation Upon Amination, Desamination and Transamination Processes

20-1-21/58

There are 3 tables, and 8 references, 5 of which are

ASSOTIATION:

Institute for Microbiology AN USSR (Institut mikrobiologii

Akademii nauk SSSR)

PRESENTED:

July 15, 1957, by V. N. Shaposhnikov, Academician

SUBMITTED: July 5, 1957

AVAILABLE:

Library of Congress

Card 3/3

GAL'TSOVA, R.D. Tricarhoxylic acid cycle and the interdependence of the decomposition of carbohydrates, fats and amino acids.

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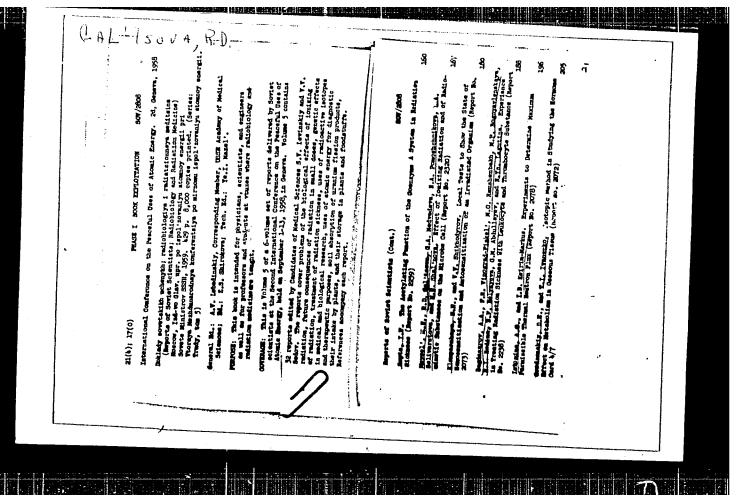
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APPROVED FOR RELEASE: 07/16/2001

Uch. zap. MGPI 140:261-281 158. 1. Iz laboratorii organicheskoy i biologicheskoy khimii Moskovskogo gosudarstvennogo pedagogicheskogo instituta

CIA-RDP86-00513R000614130012-3"

"APPROVED FOR RELEASE: 07/16/2001 CIA-RDP86-00513R000614130012-3



GAL'TSOVA, R.D.; NOVICHKOVA, A.T.; VAKINA, I.P.

Effect of glucose on ergosterol synthesis by yeasts. Mikrobiologiia
28 no.4:502-506 Jl-Ag '59. (MIRA 12:12)

1. Institut mikrobiologii AN SSSR.
(VITAMIN D metab.)
(GLUCOSE pharmacol.)
(TEASTS metab.)

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	SESSION A-4-4: Peroxide Formation in	Rigiovical Materials		
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	liffect of Radiation on the	(n) e Sterol Metabolism of Yeast		
		•	TS   Galfora	1
	Radiat on effects cause a number of important change metabolism, amino acid synthesis and particularly stellarge changes in the latter, the sterol content increasing of sterols are associated with impairment of the normal lonizing radiation retards the glycolytic processes lesterol synthesis. The addition of blocking agents of carbet it is well known that radiation causes the accumulation of the content of t	and metabolism are affected. Ionizing radiation proceed to woo-fold or more. The radiation-induced biosynthe reaction sequence of carbohydrate metabolite internating to accumulation of intermediates that are utohydrate metabolism considerably lowers stern biosyntation of peroxides and oxidizing radicals in the or ersion of intermediates, causing enhanced sterol proceedings, the proceeding and proceedings and proceedings and proceedings and proceedings.	produces tic shifts nedfates, tilized in ynthesis, rgamen, duction, it on the	
	irradiated cells is much lower than that of the non-irra of glycol) sis (monoiodoacetic acid, Sodium fluoride) us protoplast.  Intigue of Microbiology, Academy of Science, USSR	diated controls. Of interest is the fact that specific justly also bring about accumulation of sterols in the	poisons ne yeast	
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S/220/62/031/004/001/001

1021/1215

**AUTHORS:** 

Gal'tsoya, R. D. and Vakina, I. P.

TITLE:

Effect of X-ray irradiation upon the content of glycogen and reducing compounds in

yeast

PERIODICAL: Mik

Mikrobiologiya v. 31, no. 4, 1962, 577-581

TEXT: This is a continuation of previous studies. Carbohydrate metabolism in irradiated yeasts was insufficiently studied until now. Sacch cerevisiae. Sacch. Frohberg carlsbergiensis and Sacch. carslbergensis 10-D. were x-irradiated with 10-200 cu at a dose rate of 800 r/min in pressed and sterile conditions, and grown on agar for 24, 48, 72 and 96 hours. Non-irradiated cells were grown under similar conditions. A very large inoculum was used. The glycogen content in the irradiated cells decreased (from 60 to 90%) in all three strains. Immediately after irradiation the glycogen content decreased only to 5-8%. An average increase of 30-35% in the content of reducing compounds was observed in the irradiated and grown yeast cells. This increase was found also in cells immediately after irradiation with 20-25 cu. Irradiation with 200 cu, resulted in ah increase in reducing compounds by about 50% as compared with the controls. There are 2 figures and 3 tables.

ASSOCIATION: Institut Mikrobiologii AN SSSR (Institute of Microbiology of the AS USSR)

SUBMITTED:

September 25, 1961

Card 1/1

X

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\$/205/62/002/005/006/017 D268/D308

AUTHORS:

Gal'tsova, R.D., and Novichkova, A.T.

TITLE:

The effect of ionizing radiations on nitrogen metabo-

lism in yeast organisms

samennas venta alinin berahikin sabat tabu t

PERIODICAL: Radiobiologiya, v. 2, no. 5, 1962, 690 - 694

In continuation of earlier work, the disruption of protein metabolism was investigated in pure cultures of Saccaromyces cerevisiae, S. carlsbergensis Frohberg, and S. carlsbergensis 10 D, after x ray irradiation and subsequent culturing in a wort agar suspension. There was no pronounced change in the N fraction content immediately after irradiation, except for a gradual accumulation of amino N after a dose of 30 curies. As irradiated yeasts developed, there were marked metabolic disturbances, with the general N content at times 10 - 20 % above that in non-irradiated, and remaining constant at doses of 20 - 30 curies. Protein N content also increased and irradiation seemed to stimulate protein synthesis. With higher radiation doses the general and protein N content gradually declined, and was especially pronounced at 150 - 200 curies.

The effect of ionizing radiations ... 5/20

S/205/62/002/005/006/017 D266/D308

Amino N content declined slightly at comparatively low doses. The aspartic acid content increased twofold and more at a dose of 200 curies, while alanine and glutamic acid contents increased by 80 - 90 and 50 - 70 % as against the control. There was a definite correlation between free amino acid accumulation and the dose of radiation. Ionizing radiations were thus shown to produce a number of significant changes in the N metabolism of the yeast organism. There are 4 figures and 1 table.

ASSOCIATION: Institut mikrobiologii AN SSSR, Moskva (Institute of

Microbiology of the AS USSR, Moscow)

SUBMITTED: February 12, 1962

Card 2/2

GALITSOVA, R.D.; VAKINA, I.V.

Effect of N-ray irradiation on the content of glycogen and reducing substances in yeast organisms. Mikrobiologiia 31 no.4:577-581 Jl-Ag '62. (MIRA 18:3)

1. Institut mikrobiologii AN SSSR.

MEYSEL', M.N.; REMEZOVA, T.S.; BIRYUZOVA, V.I.; GAL'TSOVA, R.D.; PEDVEDEVA, G.A.; POMOSHCHNIKOVA, N.A.; SELIVERSTOVA, L.A.; POGIAZOVA, M.H.; NCVICHKOVA, A.T.; VOLKOVA, T.M.

Cytophysiological and biochemical studies of yeasts during their recovery following radiation injury. Izv. AN SSSR. Ser. biol. no.6: 827-851 N-D 164. (MIRA 17:11)

1. Institute of Microbiology, Academy of Sciences of U.S.S.R., and Institute of Radiation and Physico-Chemical Biology, Academy of Sciences of U.S.S.R., Moscow.

GALFICOVA, E.D.; HOTERHEVA, A.T.; ICHICHEVA, Q.A.

Sterol composition of yeast organisms. Prikl. bioth's. i mikrobiol.
1 no.3:294-298 My-Je 165.

1. Institut mikrobiologii AN SANR.

GAL'TSOVA, R.D.; MEKOTS, L.M.

Effects of storage conditions of yearts on the ergontorol content in them. Frikl. biokhim. I mikrobiol. 1 no.41449.

451. J1-Ag '65. (NERI 28:11)

1. Institut mikrobiologii AN SSSR.

GallTest. R.D.: VAKUMA, I.T.

Protocs determining sterol biosynthesis in youst organisms.

Mikrobiologiia 33 no.3:390-396 My-Je 164. (MIRA 18.12)

1. Tastitut mikrobiologii AN SESR. Submitted April 5, 1963.

GALITSOVA, Z.V.

Embryogeny of the ependyma of ventricles of the brain on a cat. Dokl. AN SSSR 159 no.4:910-912 D 164 (MIRA 18:1)

l. Leningradskiy pediatrioheskiy meditsinskiy institut. Predstavleno akademikom N.N. Anichkovym.

GALTYKHIN, N.M.; SLAVIN, M.B.; Prinimali uchastiye: LEENER, B.M.; SECHENOVA, R.A.

Automation of safety and control systems of heating in automated heating boilers. Nov. tekh. zhil.-kom. khoz.: Zhil. khoz. no.2: 71-85 '63. (MIRA 18:6)

GALTYKHIN, V.M.

Automatic regulation of water-heating systems with gas-burning boilers. Avtomatiz. otop. kot. no.3:78-96 '63. (MIRA 16:10)

1. Akademiya kommunal'nogo khozyaystva. (Automatic control) (Boilers)

GALTYKHIN, V.M.

Electronic methods for monitoring the burning of a gas fuel in heating units. Gaz. delo no.9:33-36 '64.

(MIRA 17:11)

1. Akademiya kommunalinogo khozyayatva im. K.D. Pamfilova.

GAL'TSOVA, Z.V. (Leningrad, L-188, ul.Zaytseva, 34, kv.8)

Structure of the commissure of the fornix cerebri and its intraorgan arteries, crura of the fornix and hippocampal fimbria. Arkh. anat., gist. i embr. 46 no.2:60-65 F 164. (MIRA 17:12)

l. Kafedra normal'noy anatom'i (zav. - prof. A.V.Shilova) Leningradskogo pediatricheskogo meditsinskogo instituta.

WOLFSHAUT, C.; IONESCU, D.; CRISTOVEANU, Ana; STROE, Emilia; BUSILA, Eugenia; SAVESCU, Gh.; GALU, Sanda; MITRACHE, Ludmila.

Problems concerning a case of hyperadrenocorticism. Stud. cercet. endocr. 13 no.5:699-702 '62.

(ADREMAL CORTEX HYPERFUNCTION) (ADRENOGENITAL SYNDROME)

GALUBA, Danuta; ZALEWSKI, Tadeusz

Clinical picture of acute non-inflammatory renal failure in children. Pediat. pol. 38 no.9:811-817 S '63.

1. Z Kliniki Terapii Chorob Dzieci AM w Warszawie Kierownik: prof. dr meć. H. Brokman.

(ACUTE RENAL FAILURE) (DIGITALIS)

(SULFAMETHOXYPYRIDAZINE)

(INSENTERY, BACILLARY)

(ESCHERICHIA COLI INFECTIONS)

GALUBA, Danuta; ZALEWSKI, Tadeusz

Acute non-inflammatory renal failure in children. Pediat.
pol. 38 no.9:855-858 S '63.

1. Z Kliniki Terapii Chorob Dzieci AM w Warszawie Kierownik:
prof. dr med. H. Brokman.
(ACUTE RENAL FAILURE)

27.5200 1080 P/C

20861 P/044/60/000/009/001/005 A107/A126

AUTHOR: Galubińs

Galubińska, K., Master

TITLE:

Psychological testing of air force personnel

PERIODICAL:

Wojskowy Frzegląd Lotniczy, no. 9, 1960, 34 - 42

TEXT: Emphasizing the importance of psychological tests in general and especially in the Air Force the author treats some testing methods employed in the Polish Air Force. The purpose of the tests is to investigate the mental, physical and character qualities of the pilots. The program includes discussions, tests in writing and on proper devices, with which the physical reaction is measured. The psychological test according to Raven is described and shown in Figure 1. The intelligence test consists in questions and answers. The memory and visual observation abilities are tested by the "Teren" test, developed by E. Debicka, and shown in Figure 2. The orientation ability is tested with geometric figures (Fig. 3) and by the test according to Thurston (Fig. 4). Quickness and exactness of observation and spotting can be tested by various methods contained in the Polish edition "Collection of Aviation Tasks" by K. Golubinska. Observation and orientation ability, attentiveness, mastering of emotions, etc, are tested by a

Card 1/4

Psychological testing of air force personnel

20861 P/044/6c/000/009/001/005 A107/A126

special but unspecified device working with an exactness up to 0.01 sec, and by various unspecified devices controlling motions, skillness, etc. The test results are classified in 5 degrees. To get proper results the personnel tested must be cooperative. There are 5 figures.

Card 2/4

P/043/62/000/002/003/003 I004/I204

AUTHORS:

Dziuk, Zbigniew and Galubińska, Krystyna

TITLE:

Certain problems of selection and training of cosmonauts

PartionICAL:

Astronautyka, no.2,1962, 10 - 12

TEXT: The Soviet and U.S. requirements in the selection and training of astronauts are similar. The psychological criteria include high level adaptability in training, motivation, intellectual ability, maturity, emotional stability, and self confidence. The astronaut's selection program is designed to select individuals who have the greatest probability of success. Motivation is considered as one of the main factors which help the commonaut to overcome the effects of high acceleration, weightlessness, noise, and isolation. Motivation is most closely connected with frustration, which may be sue to insufficient fulfillment of the basic needs. Frustration is accompanied by excessive emotional excitability, aggressivess, breakdowns, and depressions. These states obviously decrease the efficiency of the cosmonaut. The training program includes general physical training simed at increasing the cosmonaut's unspecific

Caru 1/2

P/048/62/000/002/033/008 I004/I204

Certain problems of selection ...

resistance toward accelerations, insufficient oxygen supply, vibrations, radiation, overheating and overcooling. Special coaching on different cosmic flight simulators is included. There are 5 Tigures.

Card 2/2

P/048/62/000/002/003/008 I004/I204

AUTHOR:

Galubińska, krystyna

TITLE:

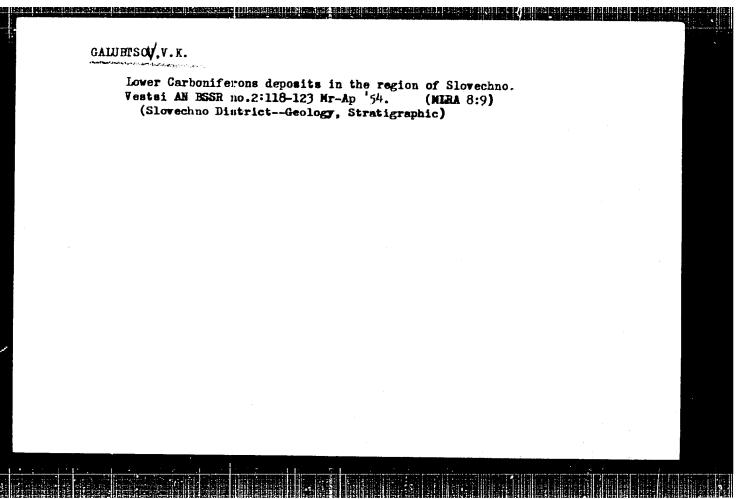
Psychological problems of manned space flights

PENTODICAL:

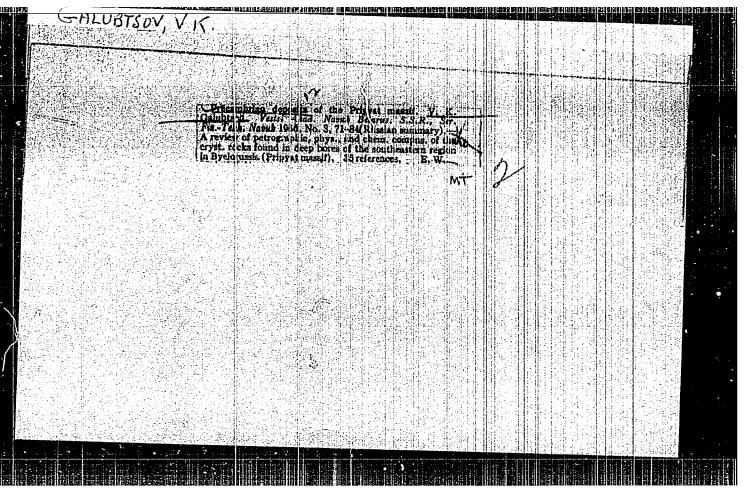
Astronautyka, no.2, 1952, 34-36

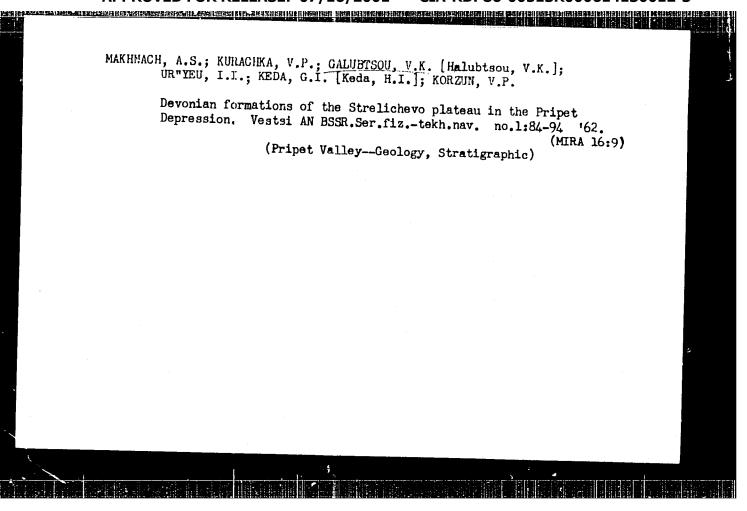
TEXT: The branch of psychology which deals with cosmic flight explains the stresses on the emotional and mental processes and establishes methods of training to increase the adaptation to cosmic flights. Factors include acceleration, high temperature, vibration, noise, weightlessness, prolonged isolation, monotony, risk and hazard. The requirements comprise general intelligence, flexibility, emotional stability, and motivation. Isolation is considered the main problem of cosmic flight together with sensory deprivation and a prolonged stay in a state of danger. Gagarin and Titov listened to their favorite tunes to diminish their feeling of loneliness. Research should also be directed toward the problem of coexistence of a group confined in a small space. The preparatory vraining should teach the cosmonaut to divert his feeling of fear toward the liquidation of the sources of danger.

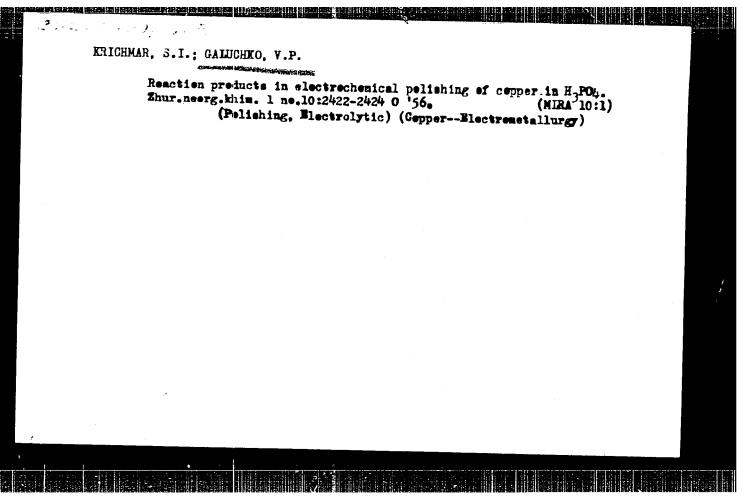
Card 1/1



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Increasing the productivity of a unit for the production of a catalyst. Nefteper. i neftekhim. no.12:21 %. (MIRA 18:2)

1. Novokuybyshevskiy neftepererabatyveyushchiy zavod.

GALUNINA, Z. I.

Gor'kovsk Inst. Epidemiology and Microbiology, (-1944-)

"Thediagnosis of gas gangrene."

Zhur. Mikrobiol., Epidemiol., i Immunobiol., No. 9, 1944.

GALUNINA, Z.I.; YURCHENKOVA, A.G.

Efficacy of antibiotics in the prevention of scarlet fever. Zhur.
mikrobiol.spid.i immun. no.3:23-25 Mr '54. (MLRA 7:4)

1. Iz Gor'kovskogo instituta epidemiologii i mikrobiologii (direktor
A.N.Meshalova) i sanitarno-epidemiologicheskoy stantsii Sverdlovskogo rayona g. Gor'kogo (glavnyy vrach S.I.TSareva).

(Antibiotics) (Scarlet fever)

#### GALUNINA, Z.I.

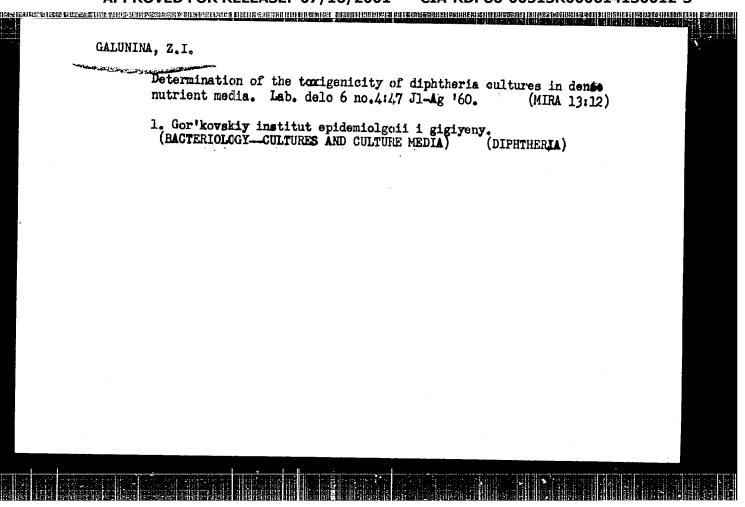
والمرازية والمتعارضة والمتعارضة والمتعارضة

Variability of bacteria and diagnosis of infections; role of variability of the causative agent in the diagnosis of diphtheria; author's abstract. Zhur, mikrobiol.epid.i immun. no.8:84-85 Ag '54. (MIRA 7:9)

1. Iz Gor'kovskogo nauchno-issledovatel'skogo instituta vaktsin i syvorotok (dir. A.A.Golubev, nauchnyy rukovoditel' prof. F.T.Grinbaum) (CORYNEBACTERIUM DIPHTHERIAE, variability, role in diag. of diphtheria)

variability, role in diag. of diphtheria) (DIPHTHERIA, diagnosis.

role of variability of Corynebacterium diphtheriae)



CALUNINA, Z.I.; SHEFTEL', L.M.

Cytotoxic action of the diphtherial toxin on a tissue culture. Report No. 1. Zhur.mikrobiol., epid.i immun. 33 no.8:126 Ag '62. (MIRA 15:10)

1. Iz Gor'kovskogo instituta epidemiologii i mikrobiologii. (DIFHTHERIA) (TOXINS AND ANTITOXINS)

MALYSHEVA, E.F.; GALUNINA, Z.I.

Garriers of diphtherial microbes and their relation to diphtheria incidence. Vop.okh.mat.i det. 8 no.3:87 Mr '63. (MIRA 16:5)

1. Iz Gor\*kovskogo instituta epidemiologii i mikrobiologii i laboratorii Rayonnoy sanitarno-epidemiologicheskoy stantsii.
(DIPHTHERIA-MICROBIOLOGY)

GALUNINA, Z.I.; SHEFFEL', L.M.

Use of tissue oulture in diptheria diagnosis; annotation.
Zhur. mikrobiol., epid. i immun. 40 no.4:54-55 Ap '63.

(MIRA 17:5)

1. Iz Gor'kovskogo instituta epidemiologii i mikrobiologii.

GALUNINA, Z.I.

Determination of the toxigenicity of diphtheria bacteria in tissue culture. Lab. delo 10 no.3:176-178 '64. (MIRA 17:5)

1. Gor'kovskiy institut epidemiologii i mikrobiologii.

- 1. GALUNOV, A.
- 2. USSR (600)
- 4. Russian Literature History and Criticism
- 7. New necessary subject; N. Volkov's novel "Our own." Reviewed by A. Galunov and others. Sib.ogni 31 no. 5, 1952

9. Monthly List of Russian Accessions, Library of Congress, March 1953, Unclassified.

GALLINEV, D. P.

86-58-4-4/27

AUTHOR:

Galunov De Pro Maj Gen of the Air Force

TITLE:

Instruction in Flight Discipline (Vospitaniye distsipliny poleta)

1. Developing the Qualities of Pilots in Schools (1. Formirovaniye

kachestv letchika v uchilishche)

PERIODICAL: Vestnik vozdushnogo flota, 1958, Nr 4, pp 17-22 (USSR)

ABSTRACT:

The author deals with the problem of how to develop the necessary qualities of pilots in flying schools. He states that one of the essential prerequisites for the successful solution of important and responsible tasks of the Soviet Air Force is high military discipline. To this end, future pilots from the very first day of their arrival at the flying schools should be instructed continuously in strict observance of all requirements of the flying service. Very much depends on the exactingness of pilot-instructors and commanders. No violations of regulations and rules should be tolerated, because practice has shown that even the smallest violations of flying service regulations may lead to grave accidents. The article contains several concrete and characteristic examples on the instruction of flight discipline.

discipline

AVAILABLE:

Library of Congress

Card 1/1

1. Pilots - Training 2. Pilots - Study and teaching

GALUNEV,

86-58-5-8/38

AUTHOR:

Galunov, D. P., Maj Gen of the Air Force

TITLE:

Instruction in Flight Discipline (Vospitaniye distsipliny poleta)

PERIODICAL: Vestnik vozdushnogo flota, 1958, Nr 5, pp 17-23 (USSR)

This is the second in a series of articles on flight discipline (the ABSTRACT: first article appeared in issue 4 of this periodical in 1958). This article describes how young pilots after their arrival to the unit from flying schools should be approached by their superiors and instructed in flight discipline.

AVAILABLE:

Library of Congress

Pilots - Training

Card 1/1

CIA-RDP86-00513R000614130012-3" APPROVED FOR RELEASE: 07/16/2001

GALUNOV, D.P.

86-58-6-2/34

AUTHOR:

Galunov, D. P., Maj Gen of the Air Force

TITLE:

Instruction in Flight Discipline (Vospitaniye distsipliny poleta)

PERIODICAL: Vestnik vozdushnogo flota, 1958, Nr 6, pp. 9-15 (USSR)

ABSTRACT: This is the third in a series of articles under this title (for the previous articles see issues 4 and 5 of this periodical). This article stresses the importance of commanders' creative work and initiative in the training of their pilots. During training missions, commanders should strive to create conditions in the air which will force the pilots to display their initiative and creativeness and to seek systematically new and more perfect tactical methods. A commander, when giving a new assignment, should not simplify the flight conditions. On the contrary, he should make them complicated so that the pilots can learn how to overcome various difficulties.

AVAILABLE: Library of Congress

Card 1/1

ACC NR: AP5028044 SOURCE CODE: UR/0046/65/011/004/0417/0426 30 AUTHOR: Galunov, V.I.; Chistovich, L.A. ORG: Institute of Physiology im. I.P. Pavlov, AN SSSR, Leningrad (Institut fiziologii AN SSSR) TITLE: The relationship between motor theory and the general problem of speech recognition SOURCE: Akusticheskiy zhurnal, v. 11, no. 4, 1965, 417-426 TOPIC TAGS: motor theory, speech recognition, speech perception, human physiology ABSTRACT: Lately, speech investigations have been concentrating attention on the so-called motor theory of perception. This theory has both adherents and opponents. There is some experimental data accumulated in favor of the motor theory. Unfortunately, there is still no investigation of the motor theory in the framework of the more general model of speech perception. The present review article attempts to investigate a sufficiently general model of the process of speech perception, and to formulate, on the basis of this model, a motor theory of perception. Experimental data pertaining to the motor theory are presented. Some of the opposing views are given and an attempt is made to determine the practical consequences with respect to further experimental investigation of speech perception flowing out of the motor theory. SUB CODE: PH, GP, DP / SUBM DATE: 94 Mar65 / ORIG REF: 023 / OTH REF: 027 Card 1/1 UDC: 534.78

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Ī	L 01922-67 EVIT(d)/T/EVP(1) LIP(a) GG/BB ACC NR. AR6029283 SOURCE CODE: UR/0044/66/000/006/V057/V057
	AUTHOR: Galunov, V. I.
	TITLE: Employment of psychological data in automatic pattern recog-
	SOURCE: Ref. zh. Matematika, Abs. 6V381
	REF SOURCE: Sb. Vychisl. sistemy. Vyp. 19. Novosibirsk, 1965, 77-80.
	TOPIC TAGS: identification, automatic identification, image
	ABSTRACT: Pattern recognition is interpreted as a problem of segregation of useful elements which provide an opportunity for an abbreviated (as compared to input) description, retaining the main identifying properties. The employment of human perception (for instance in speeder recognition) based on already developed psychological charts is proposed for the segregation of useful elements. Orig. art. has: a bibliography of 4 reference items. V. Sh. [Translation of abstract.]
	SUB CODE: 12, 05/
	Cord 1/1 hs UDC: 51.681.14:155

APPROVED FOR RELEASE: 07/16/2001 CIA-RDP86-00513R000614130012-3"

TROITSKIY, S.A., doktor mediteinskikh nauk; OALUNOVA, A.P. (Gor'kiy)

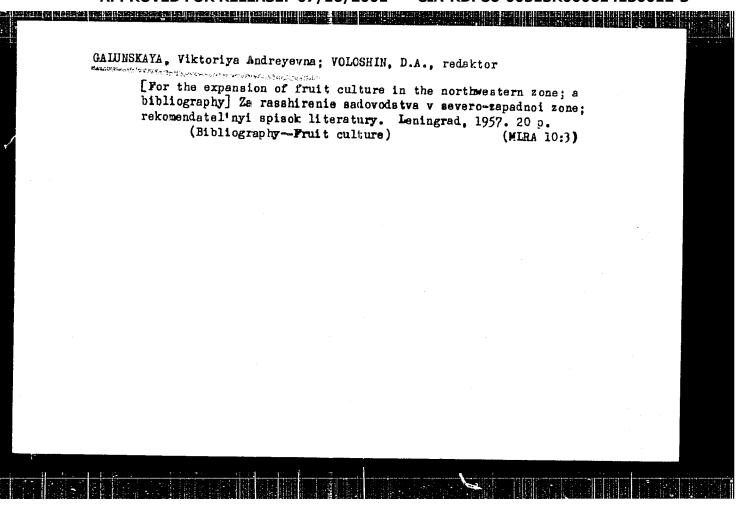
Volume and diameter of erythrocytes in toxipathic hepatitis. Klin.
med. 34 no.4:90 Ap '56. (MIRA 10:1)

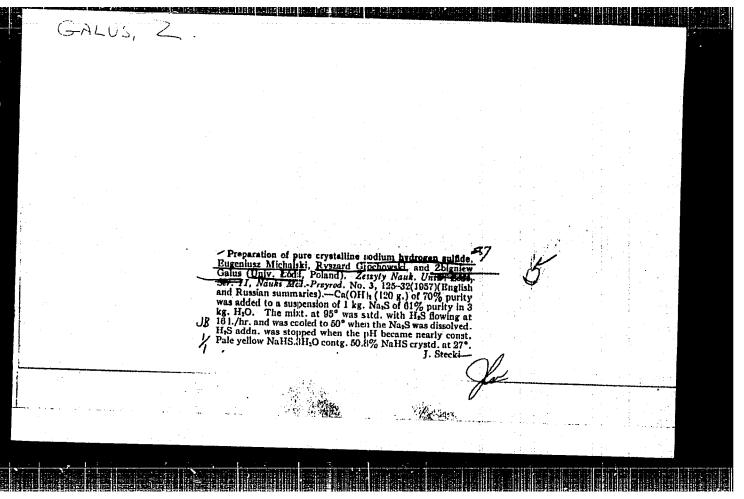
1. Is klinicheskogo otdela (zev. S.I.Ashbel') Gor'kovskogo nauchnoissledovatel'skogo instituta gigiyeny turda i professional'nykh
zabolevaniy. (ERTTHROGYTSS) (LIVER--DISMASES)

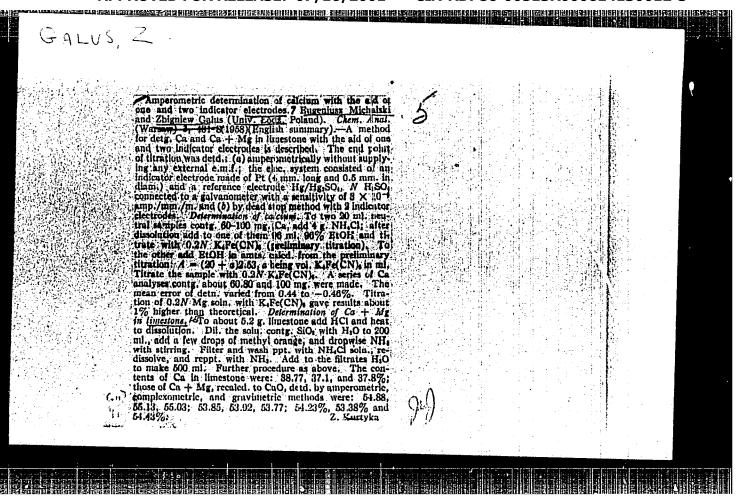
GALUNOVA, Z.P.; GUDANOVA, N.P.; LAHETSKAYA, I.G.; BARZAKOVSKIY, V.P., doktor khim. nauk, red.; KUTASOVA, E.I., red.

[Bibliographical index of the work of the research coworkers of the I.V.Grebenshchikov Institute of the Chemistry of Silicates of the Academy of Sciences of the U.S.S.R., 1948-1961] Bibliograficheskii ukazatel' rabot nauchnykh sotrudnikov Instituta khimii silikatov im. I.V. Grebenshchikova AN SSSR 1948-1961 gg. Leningrad, AN SSSR 1963. 168 p. (MIRA 17:1)

1. Akademiya nauk SSSR. Institut khimii silikatov.







KEHULA, W.; GALUS, Z.; KUBLIK, Z. A new voltammetric method of investigation of the formation of intermetallic compounds using the hanging mercury electrode. Bul Ac Pol chim 6 no.10:661-668 '58. (KEAI 9:6) - 1. Institute of Physical Chemistry, Polish Academy of Sciences. Communicated by W. Kemula. (Chemical compounds) (Voltammetry) (Electrodes, Mercury)

Wiktor Kemula, Zbigniew CALUS, Zenon Kublik, "Application of the Hanging Mercury Drop Electrode to an Investigation of Intermetallic Compounds in Mercury, Nature, Vol. 182, No. 4644, 1 "ov 58, pp 1228-29.

Published from the Inst. of Physical Chemistry, Polish Academy of Sciences. Received 1 Sep 58.

KEMULA, W.; GALUS, Z.

The application of the "hanging drop" method to the evaluation of the composition of intermetallic compounds in mercury. Bul Ac Pol chim 7 no.8: 553-557 "59. (EEAI 10:4)

1. Department of Inorganic Chemistry, Warsaw University, Presented by W.Kemula. (Chemical compounds) (Mercury) (Electrolytes) (Electrodes) (Polarograph and polarography)

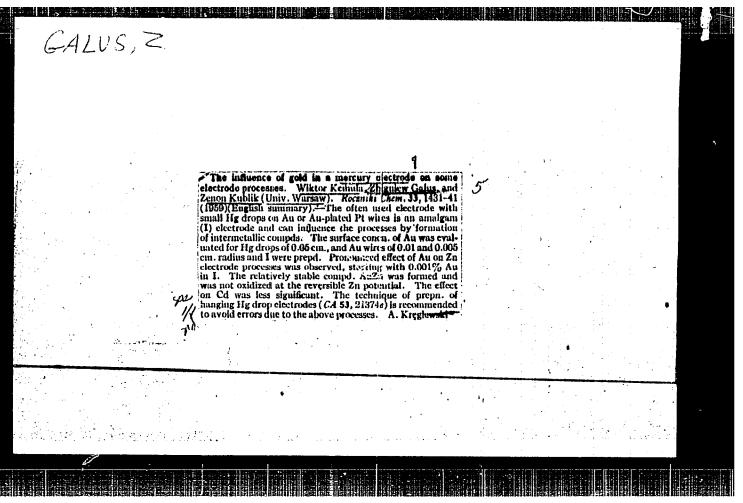
KEMULA, W.; GALUS, Z.; KUBLIK, Z.

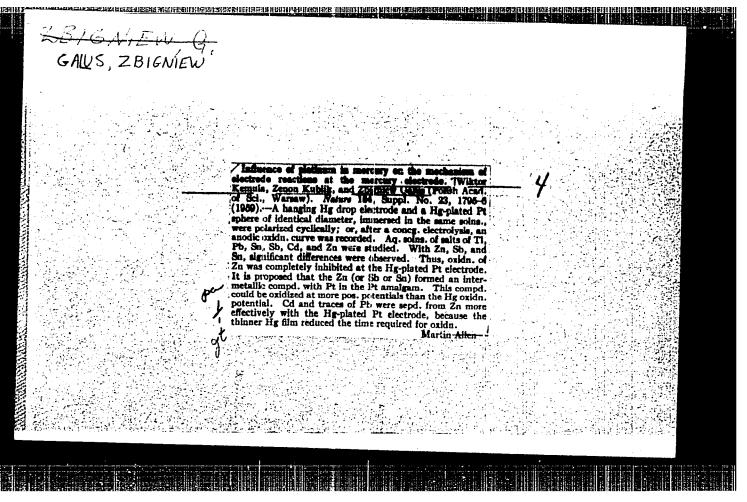
Investigation on the influence of platinum in mercury electrodes on certain electrode processes. Bul Ac Pol chim 7 no.10:723-728 '59.

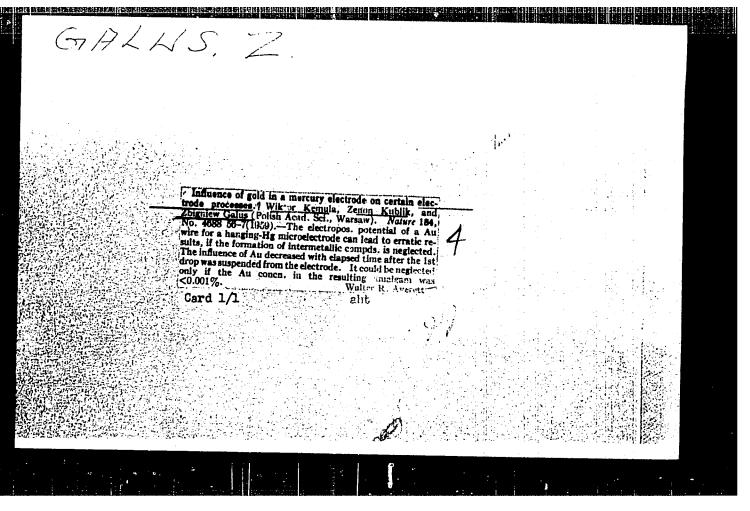
1. Institute of Physical Chemistry, Polish Academy of Sciences.
Department of Inorganic Chemistry, Warsaw University. Communicated by W.Kemula.

(Electrodes) (Amalgams) (Platinum) (Mercury)

Application of the hanging mercury drop method to the study of formation of some metal amalgams. Bul Ac Pol chim 7 no.10:729-735 (ERAI 9:6)						
LDepartment of Inorganic Chemistry, Warsaw University. Communicated by W.Kemula.  (Amalgams) (Electrodes) (Mercury)  (Iron) (Nickel) (Cobalt)						







KEMULA, Wiktor; GALUS, Zbigniew

Application of a hanging mercury-drop electrode to the investigation of properties of complex amalgams. Rocz chemii 34 no.1:251-266 160. (EEAI 10:9)

1. Department of Inorganic Chemistry, University, Warsaw.

(Electrodes, Dropping mercury) (Amalgams)

KEMULA, Wiktor, GALUS, Zbigniew

Application of the fixed hanging mercury drop electrode to research on the Mn ++ /Mn(Hg) system. Rocz chemii 36 no.7/8: 1223-1238 '62.

1. Institute of Physical Chemistry, Polish Academy of Sciences, Warsaw.

GALUS, Z.

Relations between equations describing electrode processes associated with chemical reactions. Bul chim PAN 13 no.1: 63-65 '65.

1. Department of Inorganic Chemistry of Warsaw University. Submitted November 16, 1964.